WHAT IS CLAIMED IS:

1. A real-time control system comprising a driver unit for receiving an input signal and outputting an interruption signal corresponding to each task process, a polling unit for polling on the basis of said interruption signal, and a task processor for performing a task process on the basis of said interruption signal, wherein:

said polling unit outputs a task processing signal on the basis of said polling when said task is finished and said task processor performs said task process on the basis of said task processing signal.

2. A real-time control system according to Claim 1, wherein said task processor is composed of event processing means for executing an event process and task deciding means for deciding continuity of said event process and said event processing means, when said decision result is continuation, continuously executes said event process.

3. A real-time control system according to Claim 1 or 2, wherein said event processing means performs said event process of starting a cycle.

4. A real-time control system according to any one of Claims 1 to 3, wherein said polling unit polls a timer and outputs said task processing signal corresponding to a start time of said task process.

5. A real-time control system according to any one of Claims 2 to 4, wherein said task deciding means, on the basis of a continuation count of said task process or existence of an interruption signal during said task process, decides continuity of said task process.

6. A real-time control system according to any one of Claims 2 to 5, further comprising a scheduler for communicating with said driver unit, said task processor, and said polling unit, starting in correspondence to reception of said interruption signal, and storing said decision result.

7. A real-time control system according to Claim 6, wherein said scheduler has a cyclic table for recording a cycle corresponding to said event processing means and said task deciding means, when said event process is completed, on the basis of a signal of said cyclic table, decides said continuity of said event process.

8. A real-time control system according to Claim 6 or 7, wherein said scheduler, until it stores said decision result of end when said task deciding means is in operation, inhibits said interruption signal to interrupt said task.

9. A real-time control system according to Claim 1 or 2, wherein said polling unit polls said interruption signal generated during said event process and outputs said task processing signal for executing said event

process corresponding to said interruption signal.

10. A real-time control system according to Claim 9, wherein said task deciding means, on the basis of existence of said task processing signal, decides said continuity of said event process.

11. A real-time control system according to Claim 2 or 10, wherein when said plurality of task processing signals are detected at the same time, said task deciding means assigns priority to each of said task processing signals and then reads them.

12. A real-time control system according to Claim 2 or 10, wherein when said plurality of task processing signals are detected at the same time, said task deciding means, at said detection time, reads in priority signals different from said task processing signals corresponding to said event process performed by said event processing means.